TABLE J.

	Air-yas manufactured with		
	Theoretical amount of Air.	Air Excess.	
		'20 per cent.	40 per cent.
(C03 'Composition of the air-gas from 1 kilogramme G < CO (N	Cubic Per metre, cent. o-oo 1-86-34-7 3-50 = 65-3	Cubic Per metre. cent. 0-37- 6-1 1-49-24-6 4-20-69-3	Cubic Per metre. cent. 0-47 = 10-9 ' 1-12 = 16-6 4-90 = 72-5
	5-36 7-10	6-06 6-20	6-76 5-32
C/ornbustible value of gas — from 1 kilogramme C ..... from 1 cubic metre	5,693 cals. (1,062 „)	4,557 cals. (752 „)	3,418 cals. '(506 „)
Available heat of gas from 1 kilogramme G at 1,200° C. . „ air „ 1 „ „ 1,200° 0. .	2,268 cals. 2,987 „	2,712 cals. 2,601 „	3,168 cals. 2,232 „
	5,255 cals.	5,313 cals.	5,400 cals.
+ Combustible value	5,693 „	4,557 „	3,418 „
Total energy of the entering flame ..... Less energy in waste gases at 1,700° C. .	10,948 cals. 8,678 „	9,870 cals. 8,678 „	8,818 cals. 8,678 „ 1
Eemainder energy useable in combustion chamber . "Waste gas : C02 1-86 cubic metre + 0 0'36 cubic metre + N 9-11 cubic metre.	2,270 cals. 11-53 cbm.	1,192 cals. 11-53 cbm.	140 cals. 11-53 cbm.